bs-0556R

[Primary Antibody]

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HMGA2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 8091 SWISS: P52926

Target: HMGA2

Immunogen: KLH conjugated synthetic peptide derived from human HMGA2:

41-109/109.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancesome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is involved in diet-induced obesity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

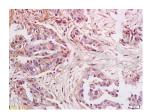
Reactivity: Human (predicted: Mouse,

Rat, Chicken)

Predicted 12 kDa MW.:

Subcellular Nucleus

VALIDATION IMAGES



Tissue/cell: human ovary carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-HMGA2 Polyclonal Antibody. Unconjugated(bs-0556R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

- SELECTED CITATIONS -

- [IF=3.146] Hou, Xiaocan, et al. "Let-7a inhibits migration of melanoma cells via down-regulation of HMGA2 expression." American Journal of Translational Research 8.9 (2016): 3656. WB; Mouse. 27730520
- [IF=2.976] Yang Y et al. MicroRNA-33b-5p is overexpressed and inhibits GLUT4 by targeting HMGA2 in polycystic ovarian syndrome: An in vivo and in vitro study.Oncol Rep. 2018 Jun;39(6):3073-3085. IHC,WB ;Rat&Human. 29693142